

Title (en)

Infrared spectrometer measurement of droplets collected from an oil mist in a breather pipe of a gas turbine

Title (de)

Infrarotspektromettermessung von Tropfen, die von einem Ölnebel in einer Entlüftungsleitung einer Gasturbine gesammelt wurden

Title (fr)

Mesure par spectromètre à infrarouges de gouttelettes collectées à partir d'une bruine d'huile dans un tuyau d'aération d'une turbine à gaz

Publication

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Application

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Priority

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Abstract (en)

The present invention relates to a method for analysing a droplet fraction of an oil mist sample of a gas turbine. A collecting device collects the oil mist sample (110; 120), wherein the collecting device (110; 120) is arranged within a breather pipe (130) which is coupled to the gas turbine such that oil mist is flowing through the breather pipe (130). The droplet fraction is separated from a gaseous fraction of the oil mist sample by a filter device (105), wherein the filter device (105) is soaked with the droplet fraction, the droplet fraction is extracted from the filter device (105) by using a tetrachloroethylene solvent. A composition of the droplet fraction is analysed by a spectrometer (107).

IPC 8 full level

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Citation (applicant)

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